

What is claimed is:

1. An LED device comprising:
an LED mounted on a substrate;
a transparent resin including phosphor particles for
5 changing a color of light emitted from the LED, and sealing
the LED; and
a dye dyeing the sealing resin for correcting the color
of the light from the LED.
2. The device according to claim 1 wherein the dye
10 has a color for correcting the color of the light from the
LED to acquiring a desired color of light.
3. The device according to claim 1 wherein the dye
has a complementary color to the color of the light emitted
from the LED for a desired color.
- 15 4. The device according to claim 1 wherein at least
a surface of the sealing resin is dyed by the dye.
5. A method for manufacturing an LED device
comprising the steps of:
mounting an LED on a substrate;
20 sealing the LED with a transparent resin including
phosphor particles to form an LED device before being dyed;
measuring chromaticity of light from the LED device
before being dyed;
dyeing the sealing resin by a dye having a color for
25 correcting the measured chromaticity to a desired color.
6. The method according to claim 5 wherein dyeing
of the transparent resin is controlled by at least one
condition selected from the concentration of the dye, the

temperature of a liquid in which a dye is put, and the time in soaking the LED device before being dyed in the liquid containing the dye.

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